

**Notice of Allowability**

Application No.

10/501,823

Examiner

Daniel L. Hoang

Applicant(s)

CANARD ET AL.

Art Unit

2136

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8/13/07.
2. ☒ The allowed claim(s) is/are 1-3,6 and 7.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

NASSER MOAZZAMI  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

10/29/07

*Allowance*

1. Claims 1-7 were previously pending as per the previous office action.
2. Claims 4-5 have been cancelled.
3. Claim 1, 6, and 7 has been amended to include the previously allowable subject matter contained in the currently cancelled claim 5.
5. Claims 1-3 and 6-7 are allowed.

*Examiner's Statement of Reasons for Allowance*

6. Prior art was found which disclosed:

*A cryptographic method implemented by a smart card of a set of smart cards each belonging to a first entity that may be different for each smart card, each smart card comprising being equipped with a chip comprising storage means for storing a secret key and an identifier of the first entity that is the proprietor of the smart card and calculation means for executing a cryptographic algorithm comprising input arguments comprising at least the secret key, the method comprising:*

*reading by the chip in from a storage means of a second entity a list of identifiers in complete form of first entities that are smart card proprietors before any calculation is made by the calculation means of the chip, said list of identifiers being linked to a status assigned to each of the first entities by the second entity; and*

*comparing by the chip the identifier stored in the storage means of the chip and the contents of the list of identifiers to authorize or prohibit calculations made by the calculation means of the chip as a function of the result of the comparison;*

*(e.g. Le Roux, 5,191,193)*

7. The following is examiner's statement of reasons for allowance:

*The prior art of record does not teach or render obvious the limitations as recited in dependent claim 5 of the previously submitted claims, specific to*

*"simultaneous with reading the list of identifiers, reading by the chip signatures of each of the identifiers in the list of identifiers, a value of the number of identifiers in the list of identifiers, and a signature of the value from the storage means of the second entity, the signatures of each of the identifiers, the value, and the signature of the value having been previously calculated by a calculating means of the second entity;*

*verifying by the chip the validity of each of the signatures of the identifiers and counting by the chip the number of identifiers in the list of identifiers before authorizing by the chip any calculations by the calculation means of the chip; and*

*verifying by the chip that the counted number of identifiers and the read value of the number of*

Art Unit: 2136

*identifiers are the same before authorizing by the chip any calculations by the calculation means of the chip."*

8. *Applicant's amendments of the independent claims 1, 6, and 7 to include the above subject matter of claim 5 render said independent claims allowable.*
9. *Claims 2-3 depend on independent claim 1. Dependent claims are allowable as they depend from an allowable independent claim.*
11. *Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".*

#### ***Points of Contact***

- \*. Any response to this Office Action should be **faxed to (571) 273-8300 or mailed to:**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Hand-delivered responses** should be brought to

Customer Service Window  
Randolph Building  
401 Dulaney Street  
Alexandria, VA 22314

- \*. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel L. Hoang whose telephone number is 571-270-1019. The examiner can normally be reached on Monday - Thursday, 8:00 a.m. - 5:00 p.m., EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nasser Moazzami can be reached on 571-272-4195. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from

Application/Control Number: 10/501,823

Page 4

Art Unit: 2136

either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Daniel L. Hoang  
10/26/07

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10,29,07